

Maxima Minima

Find the maximum value of
 $10 - |x+3|$?

- a) 11
- b) 10
- c) 9
- d) 3

b. $|x+3|$ can only be positive

Find the minimum value of

$$|y+3| - 10?$$

- a) -11
- b) -10
- c) -9
- d) 10

Quant Ability

If a is a positive real number, then the minimum value of $a + 1/a$ is?



- a) 1
- b) 0.5
- c) 2
- d) 4

Find the minimum value where a, b, c are three positive integers

$$(b + c)/a + (c + a)/b + (a + b)/c$$

- ✓ a) 6
- b) 8
- c) 3
- d) 4

Find the minimum value where a, b, c are +ve integers and $a + c = c + b = b + a$
 $(b + c)/a + (c + a)/b + (a + b)/c$

- a) 6
- b) 8
- c) 3
- d) 4

Find the minimum value where a, b, c are three positive integers and $a.b.c = 8$

$$(b + c)/a + (c + a)/b + (a + b)/c$$

- a) 6
- b) 8
- c) 3
- d) 4

Minimum
when $a = b = c$
Put all equal to 2.

If x and y are +ve real integers and $x^2y^3 = 108$, least value of $x + y = ?$

- a) 3
- b) 8
- c) 5
- d) 7

If x and y are positive real integers and $x^2y^3 = 4$ then the least value of $x + y = ?$

- a) 3
- b) 8
- c) 5
- d) 7

Minimum
when $x = 2, y = 1$
 $x + y = 3$